

The diagram illustrates a network architecture with the following components and connections:

- Client Systems:** Four client computer systems are shown. Two are connected to modems (102, 104), and two are connected to network interfaces (114, 116).
- Modems:** Two modems (106, 108) are connected to the client systems and to a central gateway system (110).
- Gateway System:** A central gateway system (110) is connected to the modems and to a LAN bus (112).
- LAN Bus:** A horizontal bus (112) connects the gateway system to the network interfaces (114, 116).
- Internet:** A cloud representing the Internet (122) contains several servers:
 - Two CP Servers (130, 132).
 - A Streaming Media Server System (128).
 - Two ISPs (126, 128).
- Connections:** The modems (106, 108) and the gateway system (110) are connected to the Internet cloud. The gateway system (110) is also connected to the LAN bus (112).

FIG. 1B

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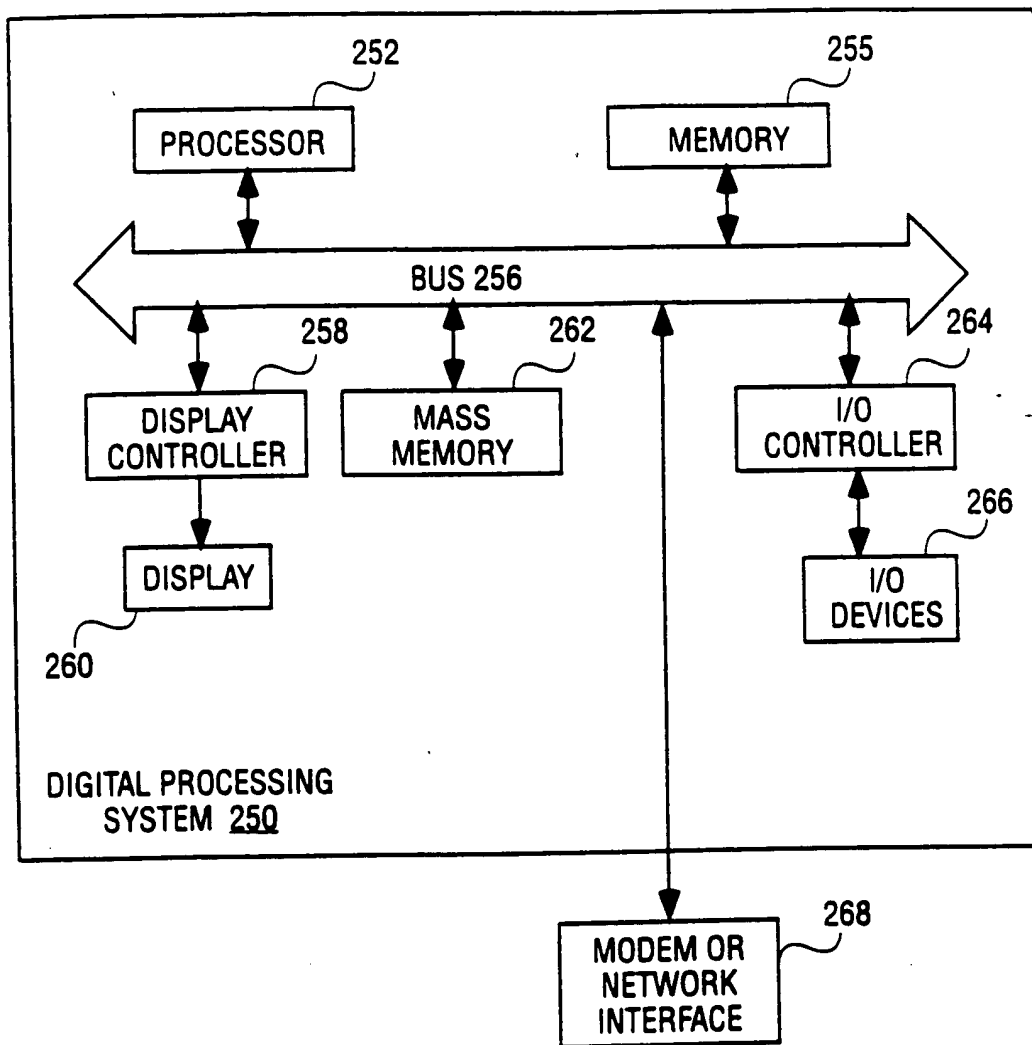


FIG. 2

Figure - 3

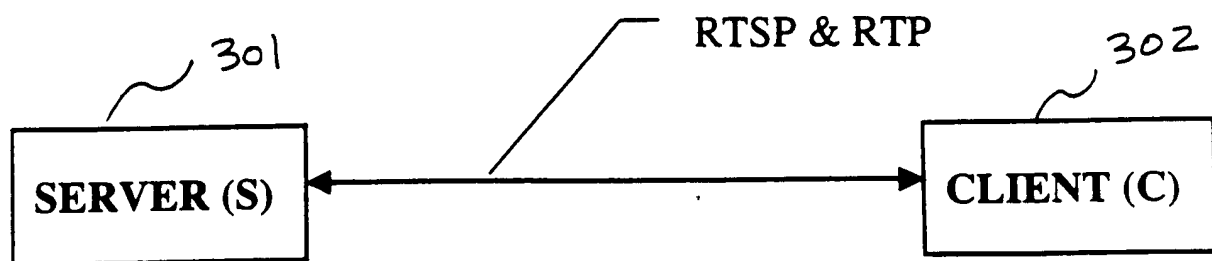


FIGURE - 4

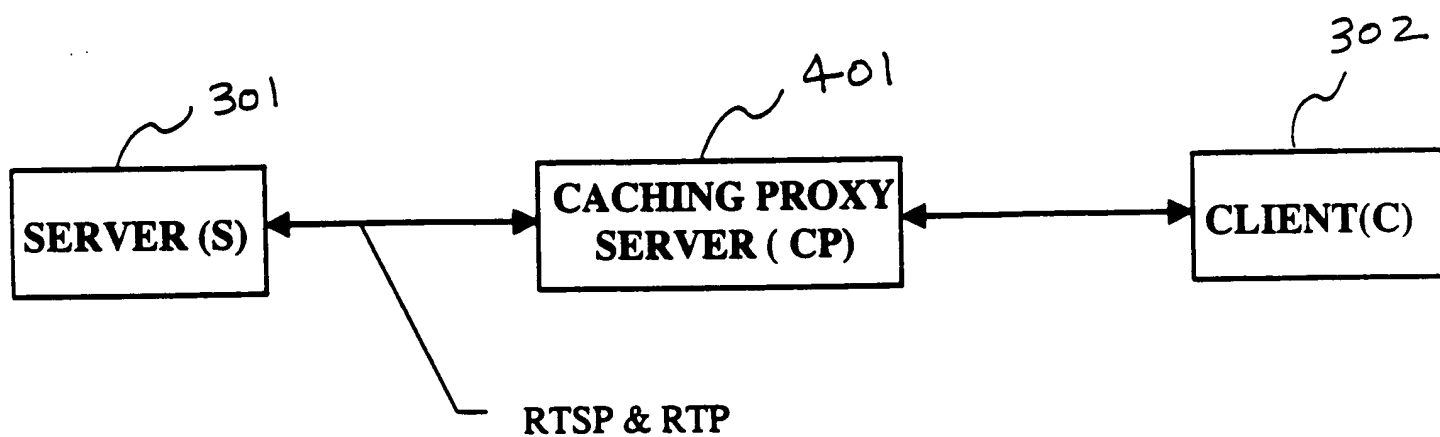


Figure - 5

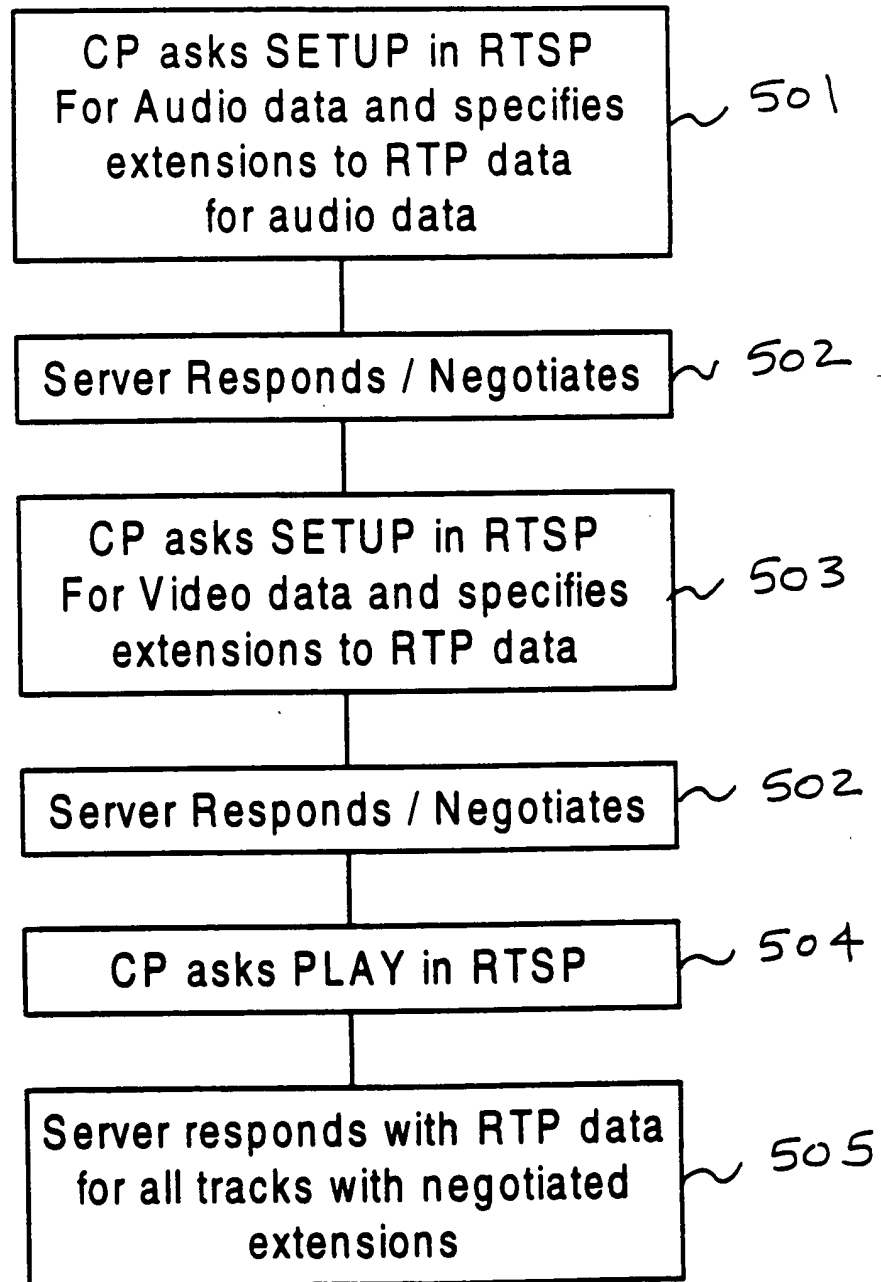


FIGURE - 7

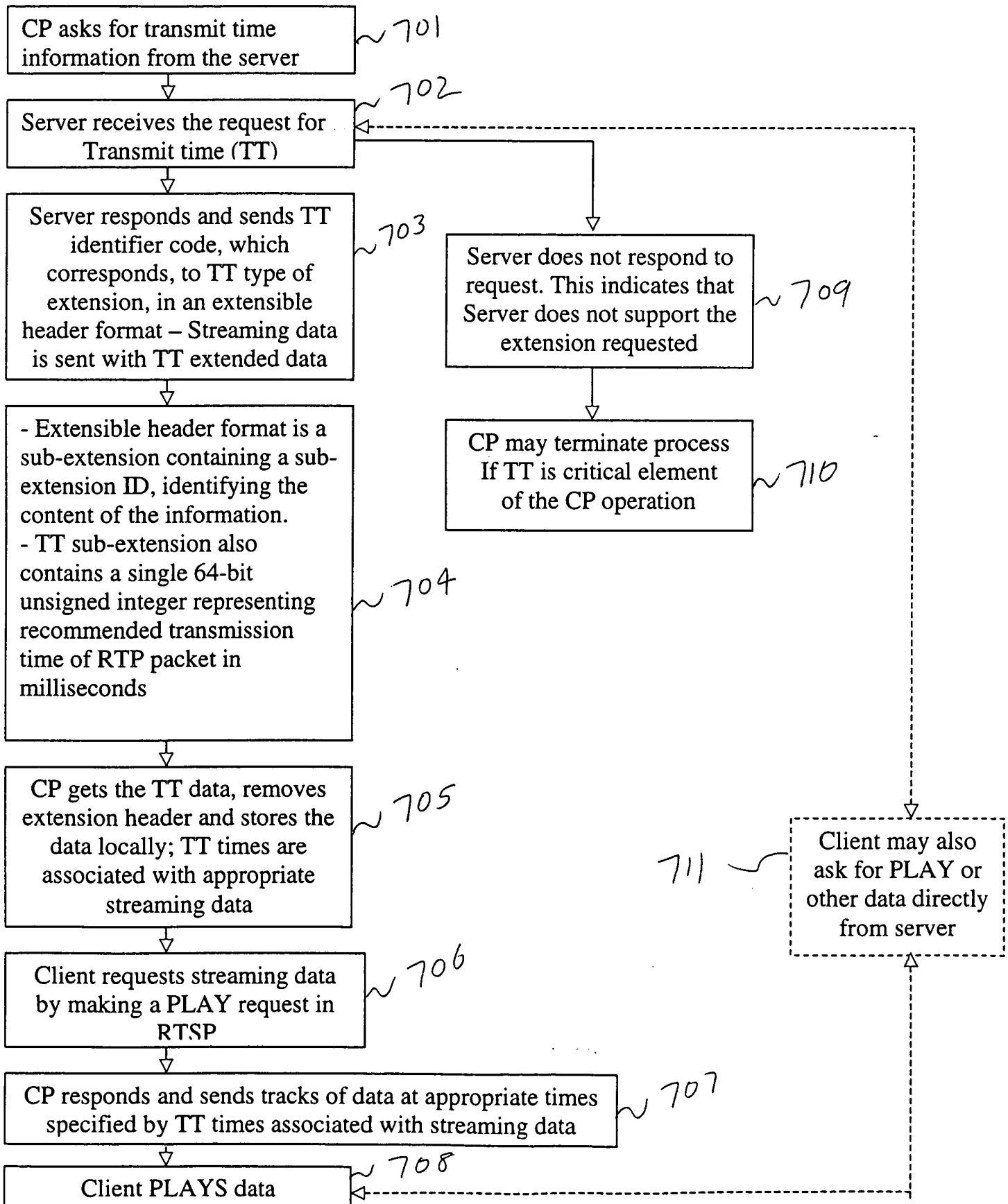


FIGURE - 9

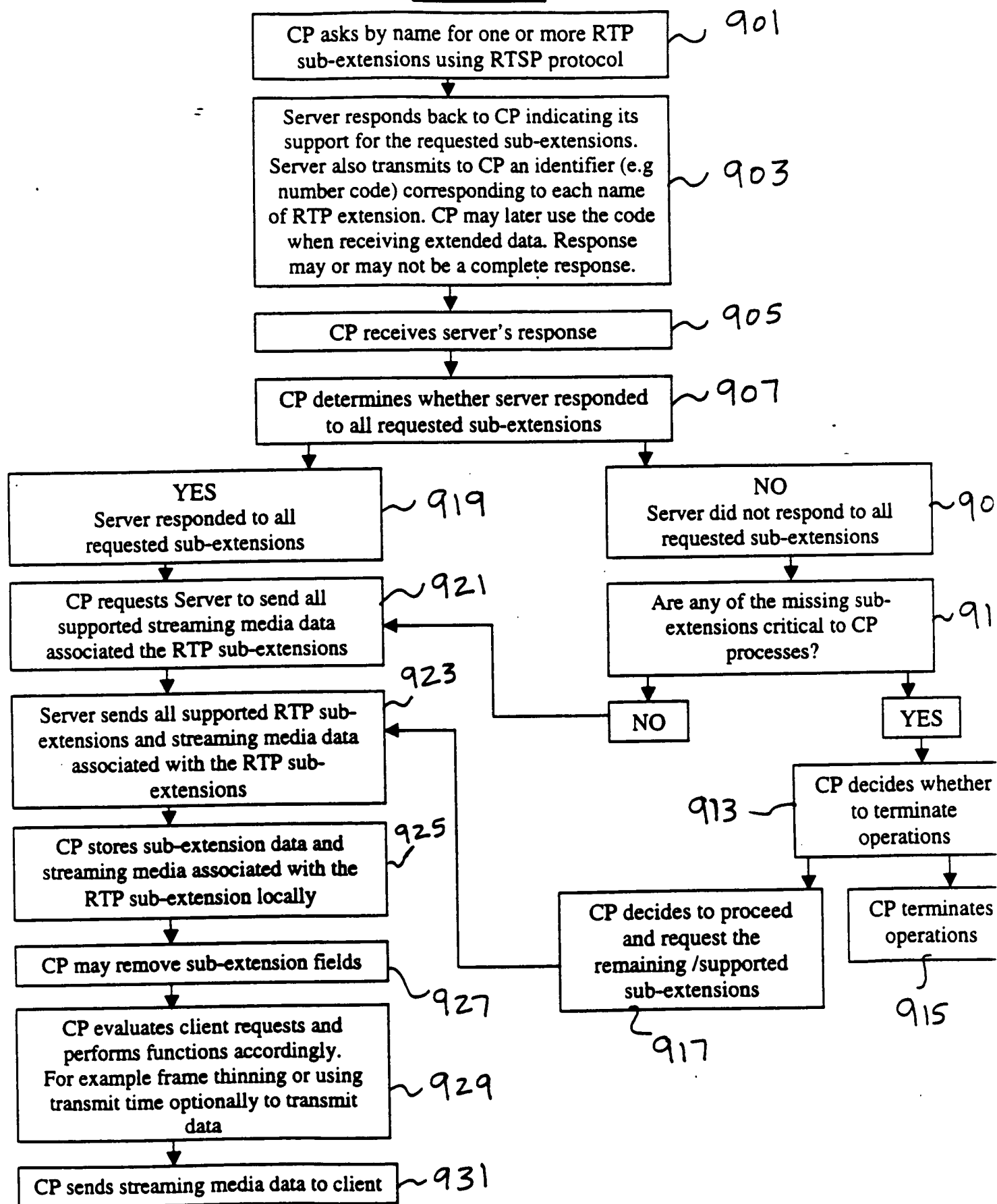


FIGURE - 10

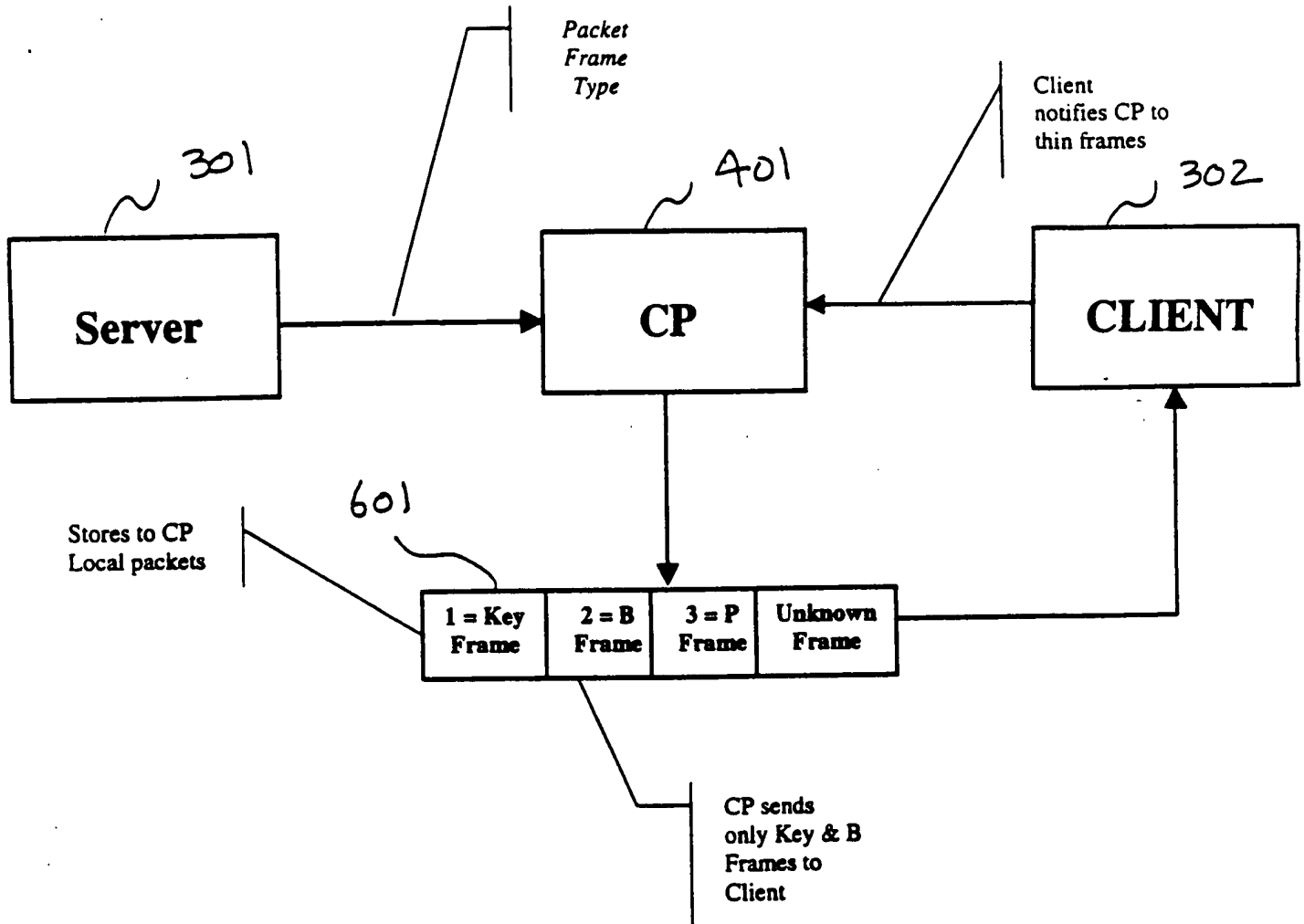
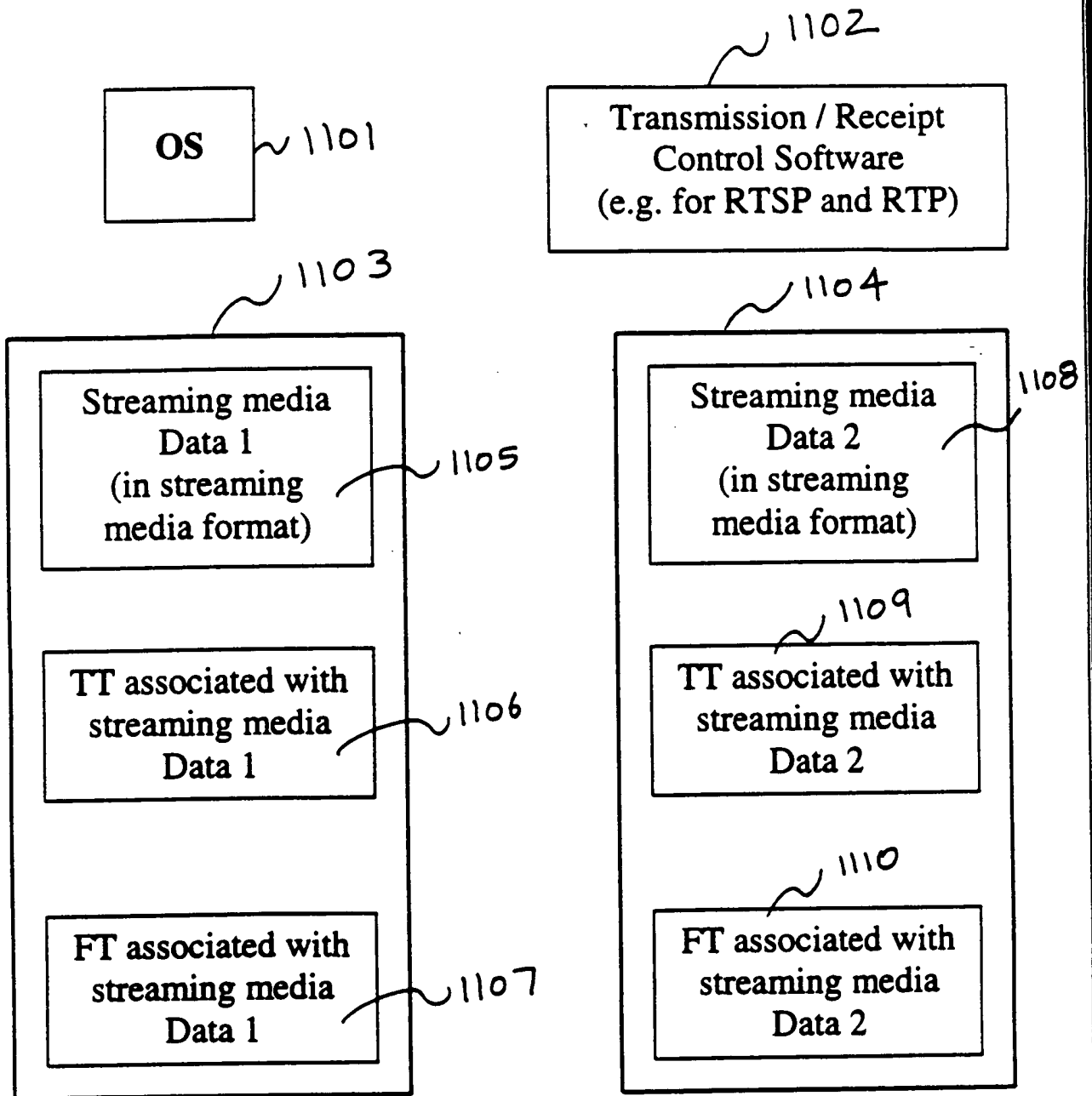


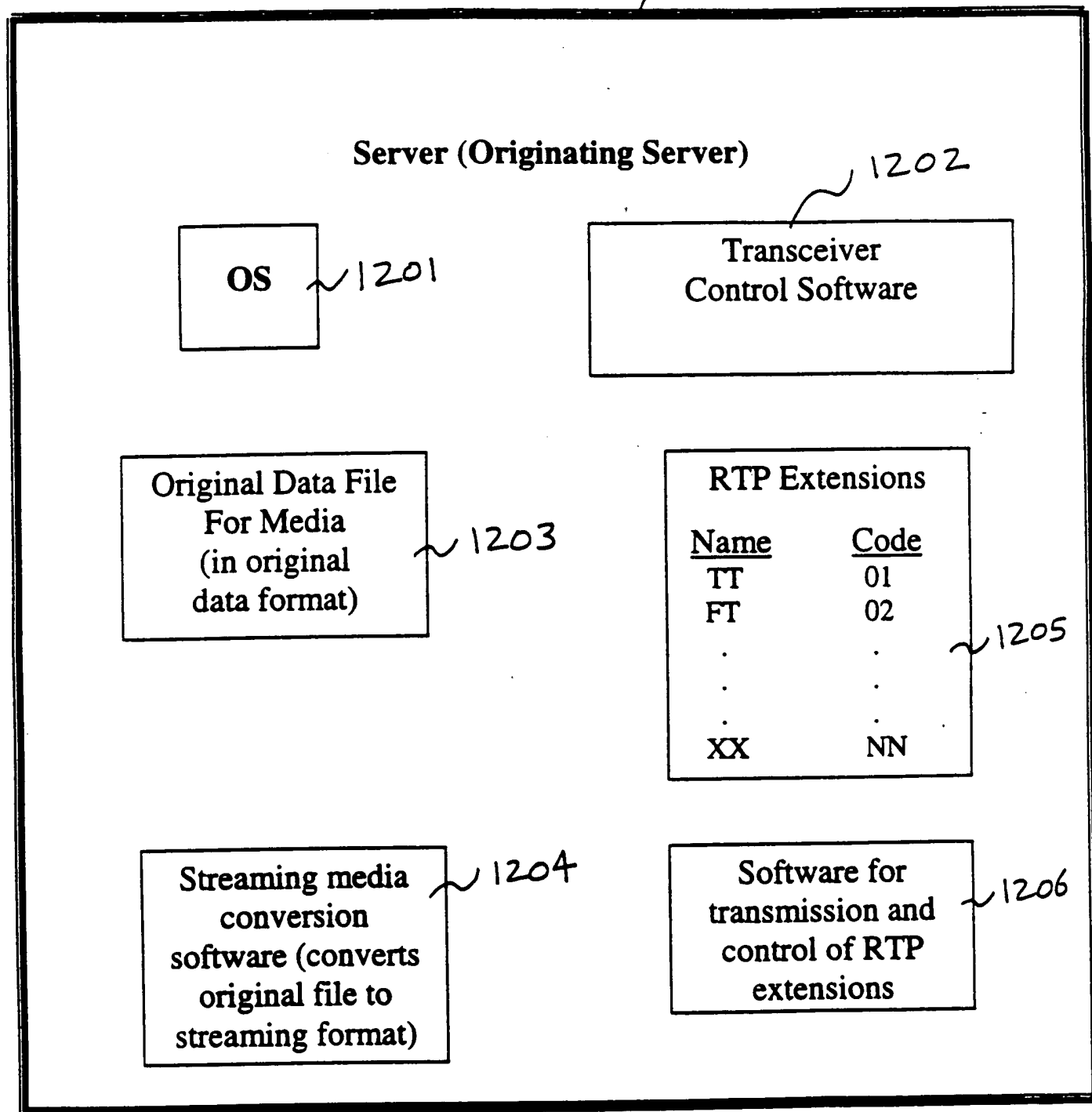
Figure 11

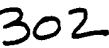
401

Caching Proxy Server (CP)



30



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